

ABSTRACT

A holographic ROM system includes a light source for emitting a laser beam; an expanding unit for expanding the laser beam; and a mask for modulating a certain portion of the expanded laser beam to thereby generate a signal beam which is directly provided to a holographic medium and sifting the remainder portion of the expanded laser beam to thereby generate a reference beam which is provided to a conical mirror reflecting the reference beam toward the holographic medium. The holographic medium is composed of a recording region onto which both the reference beam and the signal beam are projected; and a transparent region which passes through the reference beam sifted by the mask, to thereby provide the reference beam to the conical mirror.